

NJDEP Water Monitoring & Standards

Bureau of Marine Water Monitoring

Updated 12/4/12

Sampling Stations	Water Quality: Fecal Coliform Analysis																				
	Fecal Coliform (CFU's/100mL)																				
	11/1	11/2	11/3	11/5	11/6	11/9	11/10	11/11	11/12	11/13	11/13***	11/14	11/15	11/20	11/21	11/24	11/26	11/29	11/30	12/3	
34	<10	<10	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
35	<10	50	10	<10	NS	10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
36	10	<10	10	<10	NS	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
37	<10	10	<10	<10	NS	NS	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
38	10	30	<10	20	NS	NS	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
39	NS	NS	NS	<10	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
40	NS	60	NS	<10	40	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
41	30	30	NS	<10	<10	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
42	<10	10	<10	<10	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
43	20	30	NS	20	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
44	30	20	NS	<10	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
45	10	60	NS	30	20	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
46	<10	20	40	40	10	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
47	50	40	NS	50	50	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
48	NS	NS	NS	260	170	NS	33	50***	44***	<33 (8:23AM)	70 (12:48PM)***	23	10	23	3***	36	NS	50***	10	NS	
49	NS	NS	NS	NS	30*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
50	NS	NS	NS	NS	10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
51	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
52	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
53	NS	NS	NS	NS	10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
54	NS	NS	NS	NS	50*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
55	NS	NS	NS	NS	60*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
56	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
57	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
58	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
59	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
60	NS	NS	NS	NS	30*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
61	NS	NS	NS	NS	10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
62	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
63	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
64	NS	NS	NS	NS	<10*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
65	NS	NS	NS	NS	130	10**	67	80***	240***	<33 (8:51AM)	490 (1:37PM)***	54	40	15	74***	42***	NS	53***	60	NS	
66	NS	NS	NS	NS	730	70**	1400	80***	350***	<33 (9:28AM)	16 (11:57AM)***	8	20	<8	9***	14***	NS	69***	30	NS	
67	NS	NS	NS	NS	930	250**	900	160***	51***	<33 (9:39AM)	35 (10:49AM)***	31	30	38	16***	15***	NS	61***	40	NS	
68	NS	NS	NS	NS	700	120**	530	280***	33***	33 (9:47AM)	49 (11:32AM)***	23	10	31	15***	11***	NS	69***	100	NS	
69	NS	NS	NS	NS	1500	160**	530	80***	280***	67 (9:58AM)	106 (11:13AM)***	46	40	62	75***	45***	NS	71***	40	NS	

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	11/1	11/2	11/3	11/5	11/6	11/9	11/10	11/11	11/12	11/13	11/13***	11/14	11/15	11/20	11/21	11/24	11/26	11/29	11/30	12/3	
70	NS	NS	NS	NS	570	80**	530	120***	200***	230 (10:20AM)	14 (10:30AM)***	230	30	8	7***	15***	NS	106***	30	NS	
71	NS	NS	NS	NS	470	250**	1100	130***	110***	300 (10:25AM)	48 (12:07PM)***	38	20	<8	25***	22***	NS	77***	60	NS	
72	NS	NS	NS	NS	NS	NS	40***	430***	NS (1:17PM)***	82	NS	NS	<8	39***	41***	NS	49***	<10	NS		
73	NS	NS	NS	NS	NS	NS	670***	67***	NS (11:20AM)***	79	NS	NS	15	30***	25***	NS	66***	230	NS		
74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9600***	NS	NS	NS							
75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	102000***	NS	NS	NS							
76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	14100***	NS	NS	NS							
77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11200***	NS	NS	NS							
78	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	39000***	NS	NS	NS							
79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	13500***	NS	NS	NS							
80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1110***	NS	NS	NS							
81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	36***	NS	NS	NS							
82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4***	NS	NS	NS							
83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6***	NS	NS	NS							
84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4200***	NS	NS	NS							
85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	13300***	NS	NS	NS							
86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<10	
87	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	NS	NS	20	
88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<10	
89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<10	
90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	NS	NS	<10	
91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<10	
92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	NS	NS	10	

Notes: NS = No Sample Fecal Coliform Criteria: Approved < 14 CFU's/100mL, Special Restricted < 88 CFU's/100mL

*Enterococcus Result, collected and analyzed by EPA; Enterococcus Bathing Beach Standard 104 CFU's/100mL

**Fecal Coliform Result, Multiple Tube Fermentation method (MPN/100mL), same Fecal Coliform Criteria

***Samples collected and analyzed by EPA

NJDEP and USEPA both collected (at different times) and analyzed samples on 11/13/12. These results illustrate that there is a great deal of variability in the bacteria in the NY/NJ Harbor at this time. There are many possible sources, including but not limited to sewage treatment plants and stormwater runoff from the land, which has been impacted by the Hurricane Sandy. These results support the NJDEP's advisory to stay out of the water.

Sample Locations

Sampling Stations	Latitude	Longitude
1	40.47233	-74.19737
2	40.48983	-74.11625
3	40.49011	-74.0932
4	40.49955	-74.0357
5	40.47372	-74.0282
6	40.42094	-74.00458
7	40.38872	-73.9793
8	40.38094	-73.98764
9	40.35594	-73.98486
10	40.33317	-74.0018
11	40.01762	-74.07292
12	39.9179	-74.10264
13	39.90706	-74.1118
14	39.83762	-74.1343
15	39.75012	-74.18208
16	39.5954	-74.25125
17	39.63734	-74.23042
18	39.66095	-74.20653
19	39.57484	-74.28098
20	39.57206	-74.33014
21	39.54456	-74.40876
22	39.52067	-74.4032
23	39.52123	-74.39126
24	39.39901	-74.48348
25	39.42151	-74.46487
26	39.35012	-74.5096
27	39.33928	-74.53821
28	39.29645	-74.61043
29	39.29206	-74.62044
30	39.30984	-74.59127
31	39.26484	-74.61627

Sampling Stations	Latitude	Longitude
32	39.22067	-74.66349
33	39.17567	-74.69961
34	39.11647	-74.73319
35	39.09872	-74.76461
36	39.09274	-74.75031
37	39.059	-74.80517
38	39.09178	-74.79405
39	39.04178	-74.94795
40	39.10178	-74.90962
41	39.19178	-74.97629
42	39.20178	-75.05629
43	39.26345	-75.2163
44	39.26511	-75.2363
45	39.27511	-75.2463
46	39.31928	-75.32714
47	39.35011	-75.41131
48	40.5941	-74.04801
49	40.48844	-73.99625
50	40.359	-73.96236
51	40.341802	-73.951311
52	40.22678	-73.98736
53	40.194	-73.99736
54	40.08012	-74.02958
55	40.01512	-74.04458
56	39.94679	-74.05791
57	39.96012	-74.04458
58	40.02341	-74.02978
59	40.07678	-74.01958
60	40.19039	-73.97625
61	40.21845	-73.94458
62	40.34011	-73.91847

Sampling Stations	Latitude	Longitude
63	40.36039	-73.91902
64	40.48677	-73.94736
65	40.688766	-74.05425
66	40.6509167	-74.1484
67	40.6740167	-74.132667
68	40.7173167	-74.1059
69	40.7220833	-74.12085
70	40.6491167	-74.166817
71	40.6401833	-74.15891667
72	40.65444	-74.061634
73	40.712639	-74.123
74	40.45661667	-74.37275
75	40.4684	-74.36993333
76	40.4705	-74.36821667
77	40.4717	-74.36646667
78	40.48091667	-74.37343333
79	40.47493333	-74.35691667
80	40.50911667	-74.29611667
81	40.46895	-74.23431667
82	40.5083	-74.1582
83	40.47325	-74.17353333
84	40.49796667	-74.32131667
85	40.49295	-74.32745
86	40.38178	-74.01347
87	40.37344	-74.02319
88	40.37011	-74.04403
89	40.36205	-74.06208
90	40.34678	-73.99542
91	40.3388	-74.00125
92	40.32494	-74.01984